

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A curtain wall system comprising:
 - at least one vertical mullion formed with a first channel ~~having a depth sufficiently increased~~ for securing a panel member therein;
 - the first channel comprising:
 - a first arm;
 - a first gasket attached to the first arm for contacting an entire length of a first side of the panel; and
 - a second arm disposed from and generally parallel to the first arm;
 - a first bonding agent disposed along an entire length of the second arm for forming a seal between the second arm and a second side of the panel member;
 - the first bonding agent contacting more than one inch of the entire length of the second arm and adapted to contact more than one inch of an entire length of the second side of the panel member ~~, for enhanced resistance to a blast force;~~
 - at least one horizontal sill member formed with a second channel for receiving ~~said~~ the panel member; and
 - wherein the second channel of said horizontal mullion comprises:
 - a third arm;
 - a second gasket attached to the third arm for contacting an entire length of the first side of the panel member; and
 - a fourth arm disposed from and generally parallel to the third arm;
 - a second bonding agent disposed along an entire length of the fourth arm for forming a seal between the fourth arm and the second side of the panel member; and
 - the second bonding agent contacting more than one inch of the entire length of the fourth arm and adapted to contact more than one inch of an entire length of the second side of the panel member ~~is formed of an increased depth for enhanced resistance to a blast force.~~
2. (Currently amended) The curtain wall system of claim 1, wherein the first channel of said vertical mullion is oriented near at least one of a front edge and a back edge of said vertical mullion.

3. (Currently amended) The curtain wall system of claim 1, wherein the second channel of said horizontal sill member is oriented near at least one of a front edge and a back edge of said horizontal sill member.

4. (Canceled)

5. (Original) The curtain wall system of claim 1, wherein said vertical mullion is formed as a single extrusion.

6. (Original) The curtain wall system of claim 1, wherein said horizontal mullion is formed as a single extrusion.

7. (Canceled).

8. (Currently amended) A vertical mullion for forming a curtain wall, the vertical mullion comprising:

~~at least one~~ a first channel for receiving a first panel member, the first channel comprising including:

a first side member of an increased length for receiving an increased portion of the first panel member;

~~at least one of a base member and a sill member for receiving a portion of the panel member; and~~

a second side member substantially parallel to and disposed from the first side member and of an increased length for receiving an increased portion of the first panel member; and

a first base member substantially orthogonal to and connecting the first side member and the second side member;

a second channel for receiving a second panel member, the second channel comprising:

a third side member of an increased length for receiving an increased portion of the second panel member;

a fourth side member substantially parallel to and disposed from the third side member and of an increased length for receiving an increased portion of the second panel member; and

a second base member substantially orthogonal to and connecting the third side member and the fourth side member;

wherein the first base member and the second base member are substantially coplanar.

9. (Currently amended) The vertical mullion of claim 8, wherein the first and second channels are ~~channel is~~ oriented near an edge of said vertical mullion.

10. (Currently amended) The vertical mullion of claim 8, wherein at least one of the first and second side members is adapted ~~oriented~~ to receive substantially one inch or more of a bonding agent along the entire length of the at least one of the first and second side members.

11. (Currently amended) The vertical mullion of claim 10 ~~claim 8~~, wherein the bonding agent comprises silicon.

12. (Original) The vertical mullion of claim 8, wherein said vertical mullion is formed as a single extrusion.

13. (Canceled).

14. (Canceled).

15. (Currently amended) A horizontal mullion for forming a curtain wall, the horizontal mullion comprising:

a channel for receiving a panel member, the channel including:

a first side member of an increased length for receiving an increased portion of the panel member;

the first side member being adapted to receive a bonding agent to form a seal at least one-inch wide along an entire length of a first side of the panel member;

a base member for receiving a base portion of the panel member; ~~and~~

a second side member of an increased length for receiving an increased portion of the panel member; and

a gasket attached to the second side member for contacting an entire length of a second side of the panel member.

16. (Original) The horizontal mullion of claim 15, wherein the channel is oriented near an edge of said horizontal mullion.

17. (Canceled).

18. (Original) The horizontal mullion of claim 17, wherein the bonding agent comprises silicon.

19. (Original) The horizontal mullion of claim 15, wherein said horizontal mullion is formed as a single extrusion.

20. (Canceled).

21. (New) The curtain wall system of claim 1, wherein the first channel is disposed in the middle of the vertical mullion so that the panel member bisects the vertical mullion.

22. (New) The vertical mullion of claim 8, wherein the first and second channels each have a depth of at least one inch.

23. (New) The vertical mullion of claim 8, wherein the first and second channels are disposed in the middle of the vertical mullion so that equal portions of the vertical mullion are disposed on each side of the first and second panel members.

24. (New) A curtain wall system adapted for enhanced resistance to blast forces, the system comprising:

a mullion for securing sides of panel members therein,

the mullion having a first side integrally formed with a first generally U-shaped channel for securing a portion of a first panel member therein, the integrally formed first generally U-shaped channel having a first side interior leg for securing a portion of an interior side of the first panel member thereagainst and a first side exterior leg for securing a portion of an exterior side of the first panel member thereagainst;

the mullion having a second side, oppositely disposed from the first side, integrally formed with a generally L-shaped channel for securing a portion of a second panel member thereagainst, the integrally formed L-shaped channel having a second side exterior leg for securing a portion of an exterior side of the second panel member thereagainst;

the second side exterior leg extending from the second side in an opposite direction from and generally co-linear with the first side exterior leg;

the second side being formed with a groove extending therefrom;

an interlocking member having a bonding leg for securing a portion of an interior side of the second panel thereagainst and a tongue adapted to mate with the groove of the second side; and

the bonding leg in combination with the generally L-shaped channel together forming a second, generally U-shaped channel for securing a portion of the second panel member therein.